



CITY OF SUGAR LAND

Engineering Department

CIP Project Number: SW1003

Title: North WWTP Reclaimed Water

Project Phase: Design

% of Phase Completion

Design

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Construction

2011

Cost for this Phase: \$ 165,000

Funding Sources: System Revenues

Project Manager: Tim Jahn

Contractor: TBD

Consultant: Alan Plummer & Assoc.

Project Description: In FY07 a non-potable water use feasibility study was performed for the North Wastewater Treatment Plant (NWWTP) effluent to fill Ditch F, one amenity lake, and source of irrigation water near the NWWTP. Design will include tertiary treatment of the NWWTP effluent to meet reclaimed water quality standards and will include adequate pumps, waterlines, and appurtenances to convey the necessary flow to the extent of the project.

Justification: The City is required to follow the Groundwater Reduction Plan approved by the Fort Bend Subsidence District . The approved plan calls for reduction of groundwater use by 30% in 2013, and by 60% in 2025. The use of non-potable sources and treated wastewater effluent for irrigation and lake filling purposes will play a major role in meeting these reduction requirements.

Updates: **October 2009-** Project scheduled for design contract execution in March 2010 or earlier.

November 2009 – no changes.

December 2009 – no changes.

January 2010 – utilities staff reviewing Alan Plummer July 2009 report to determine what options, if any, may be considered for the NWWTP effluent reuse.